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METHODS AND APPARATUS FOR ARTIFACT  
REDUCTION IN CONE BEAM CT IMAGE  
RECONSTRUCTION

ABSTRACT OF THE DISCLOSURE

In one aspect, a method for producing an image of an object utilizing a computed tomography (CT) imaging system includes axially scanning an object utilizing the CT imaging system to obtain more than 180° of projection data of the object. The method also includes weighting the projection data according to projection location and pixel location of an image to be reconstructed and reconstructing the image of the object utilizing the weighted projection data.